

# Forward Transformer

## EPC3786G-LF

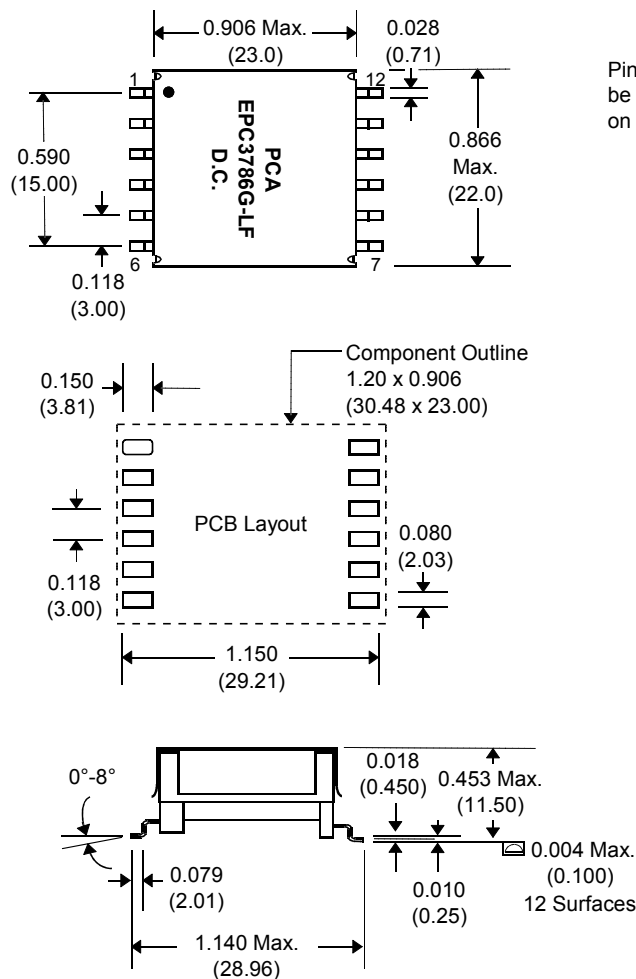


- 84W PoE Active Clamp Forward Transformer
- Designed to work with On Semiconductor NCP1566
- Lead free
- Class B Insulation System
- Switching Frequency: 250kHz
- ET Constant: 111V-μsec
- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C

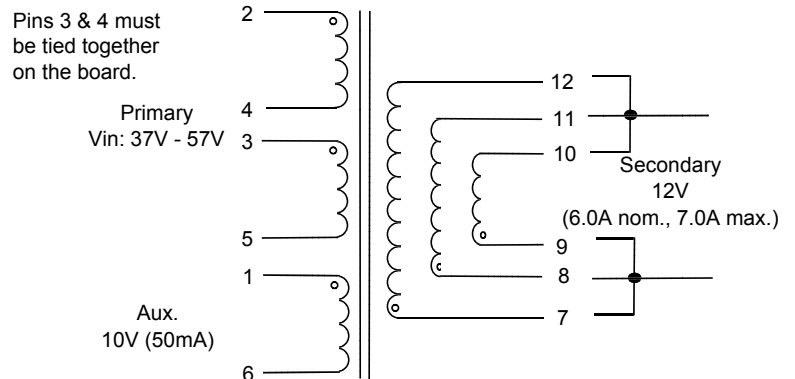
### Electrical Parameters @ 25°C

Inductance (μH ± 10%)	Leakage Inductance (μH Max.)	DCR (mΩ Max.)			Turns Ratio	Hipot (Vrms)	
@100kHz, 1.0Vrms	@100kHz, 0.1Vrms					60Hz, 60 secs	
180	0.35	30	200	10	1.0 : 0.58 : 0.66	1500	1500
Pins 2 - 5 (tie pins 3 & 4)	Pins 2- 5 with Aux. & Sec. wdgs shorted	Primary Pins 2 - 5	Auxiliary Pins 1 - 6	Secondary Pins 7/8/9 - 10/11/12	Pri.: Aux.: Sec	Wdgs. to Core	Pri. & Aux. to Sec.

### Package



### Schematic



Notes	EPC3786G-LF
1. Lead Finish	Pb-Free
2. Peak Solder Rating	260°C
3. Weight	15 grams
4. Packaging Information (Tray)	40 pcs./ Tray

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25